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| **Review Work for Biology Keystone Test** | | |
| Anchor Description | Video Reviews | Review Test MC Questions |
| Characteristics of Life | Use Chapter 1 in the Nowicki text |  |
| Relationship between Structure and Function | You need to ask a biology teacher: This is a tough topic—kids can expect questions about the structure of mitochondria, chloroplasts, lung tissue, stomach and intestines….. yea, good luck. | #4 |
| Prop. Of Water | http://www.sumanasinc.com/webcontent/animations/content/propertiesofwater/water.html | #5 |
| Prop. Of Carbon | Use ppt from Howell | #16 |
| Biological Molecules | Carbs: <http://www.wisc-online.com/objects/ViewObject.aspx?ID=AP13104>  Fats: <http://www.wisc-online.com/objects/ViewObject.aspx?ID=AP13204>  Proteins: <http://www.wisc-online.com/objects/ViewObject.aspx?ID=AP13304> | #6,7 |
| DNA: Structure & Replication | <http://www.youtube.com/watch?v=8kK2zwjRV0M> ( Tutorial)  <http://www.nobelprize.org/educational/medicine/dna_double_helix/> (Game) |  |
| Enzymes | <http://www.northland.cc.mn.us/biology/Biology1111/animations/enzyme.html> ( Tutorial)  <http://bcs.whfreeman.com/thelifewire/content/chp06/0602001.html> ( Tutorial) | #1,8, 17 |
| Cell Structure | <http://www.wiley.com/legacy/college/boyer/0470003790/animations/cell_structure/cell_structure.htm>  <http://www.youtube.com/watch?v=pnstXZl6Kbk&feature=related> ( Magic School Bus) | #2,3,9,19, 25 |
| Cell Transport | http://programs.northlandcollege.edu/biology/Biology1111/animations/transport1.html | #11,12,13 |
| Photosynthesis | <http://www.pbs.org/wgbh/nova/nature/photosynthesis.html>  http://earthguide.ucsd.edu/earthguide/diagrams/photosynthesis/photosynthesis.html | #10 |
| Cellular Respiration | http://www.sumanasinc.com/webcontent/animations/content/cellularrespiration.html | #10 |
| Homeostasis—Also see cell transport | <http://www.bbc.co.uk/schools/gcsebitesize/science/add_aqa_pre_2011/homeo/homeosts.shtml>  <http://www.brown.edu/Courses/BI0020_Miller/week/10/web-2/4-2-2007_10-21-10/Chapter_41/Present/Animations/41_A02/41_A02s.swf> | #14, 18 |
| Cell Cycle and Cell Division | <http://highered.mcgraw-hill.com/sites/0072495855/student_view0/chapter2/animation__how_the_cell_cycle_works.html>  <http://highered.mcgraw-hill.com/sites/0072495855/student_view0/chapter2/animation__mitosis_and_cytokinesis.html> | 20, 21, |
| Transmission of genetic Info | Classzone.com, Click on High School Science, PA, then the book with the alligator hatching.  Use movies from the Nowicki book. Just go to “classzone.com” then Ch 6,7, and 8 animations  How genotype affects phenotype, Mendel’s experiment, human chromosomes, and DNA replication | 22, |
| Genetic Inheritance Patterns | See Above | 23, 24 |
| Protein Synthesis | Use the Protein synthesis movie from the nowicki book, see above. | 25,26 |
| Mutations | <http://www.pbs.org/pov/inthefamily/video_classroom1.php> ( Overall of mutations that cause Cancer)  Use this movie and take the quiz: <http://highered.mcgraw-hill.com/sites/0072556781/student_view0/chapter11/animation_quiz_4.html>  Use this movie and take the quiz: <http://highered.mcgraw-hill.com/sites/0070960526/student_view0/chapter18/animation_quiz_1.html>  http://highered.mcgraw-hill.com/olc/dl/120083/bio33.swf | 27,31 |
| Mechanisms of Evolution | Use Nowicki book animations from CH 11 and 12 ( classzone.com) | 29,30,31, 40 |
| Evidence of Evolution | <http://highered.mcgraw-hill.com/sites/9834092339/student_view0/chapter20/animation_-_mechanisms_of_evolution.html>  <http://highered.mcgraw-hill.com/sites/9834092339/student_view0/chapter20/animation_-_mechanisms_of_evolution.html>  <http://bcs.whfreeman.com/thelifewire/content/chp24/2402001.html> |  |
| Ecological Organization | Do CH 13 and CH 14 animations from the Nowicki Book:  Classzone.com, Click on High School Science, PA, then the book with the alligator hatching. | 28, 33, 34, 35, 36, 37, 38, 39 |
| Interactions and relationships in the biosphere | See Above |  |